

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1 (**Currently Amended**): A method for forming light beams onto a disc for a plurality of disc formats, comprising:

determining a first LCM (least common multiple) that is a first integer multiple of a first track pitch for a first one of the disc formats;

determining a second LCM (least common multiple) that is a second integer multiple of a second track pitch for a second one of the disc formats;

determining an average LCM (least common multiple) that is an average of the first and second LCMs, wherein the first LCM is within a first tolerance range from the average LCM for the first disc format, and wherein the second LCM is within a second tolerance range from the average LCM for the second disc format;

directing a main beam onto the disc; and

directing a side beam onto the disc with a displacement from the main beam, the displacement being the average LCM ~~a LCM (least common multiple) distance of respective track pitches for the disc formats.~~

Claim 2 (**Canceled**).

Claim 3 (**Currently Amended**): The method of claim ~~[[2]]~~ 1, wherein the average LCM distance is a minimum of possible values.

Claim 4 (**Currently Amended**): The method of claim 1, wherein each of the first and second integer multiples is a respective odd integer ~~the LCM distance is a respective odd integer multiple of a respective track pitch for each of the disc formats.~~

Claim 5 (**Previously Presented**): The method of claim 1, further comprising:

directing another side beam onto the disc on another side of the main beam with substantially the same displacement from the main beam.

Claim 6 (**Previously Presented**): The method of claim 5, further comprising:
using the main and side beams reflected from the disc for generating a tracking error signal.

Claim 7 (**Previously Presented**): The method of claim 5, further comprising:
using the main and side beams reflected from the disc for generating a DPP (differential push pull) error signal.

Claim 8 (**Previously Presented**): The method of claim 5, further comprising:
using only the main beam reflected from the disc for generating an error signal when any of the side beams is outside of tracks of the disc.

Claim 9 (**Previously Presented**): The method of claim 1, wherein the main and side beams are each directed onto a separate one of a land or a groove on the disc.

Claim 10 (**Previously Presented**): The method of claim 1, further comprising:
generating the main and side beams with light from a laser diode passing through a grating; and
adapting at least one of a pitch of the grating and a distance of the laser diode to the grating to affect the displacement.

Claim 11 (**Currently Amended**): A system for forming light beams onto a disc for a plurality of disc formats, comprising:
a main beam directed onto a disc; and
a side beam directed onto the disc with a displacement from the main beam, the displacement being ~~[[a]]~~ an average LCM (least common multiple) ~~distance of respective track~~

itches for the disc formats that is an average of a first LCM (least common multiple) and a second LCM (least common multiple);

and wherein the first LCM (least common multiple) is a first integer multiple of a first track pitch for a first one of the disc formats;

and wherein the second LCM (least common multiple) is a second integer multiple of a second track pitch for a second one of the disc formats;

and wherein the first LCM is within a first tolerance range from the average LCM for the first disc format, and wherein the second LCM is within a second tolerance range from the average LCM for the second disc format.

Claim 12 (**Canceled**).

Claim 13 (**Currently Amended**): The system of claim ~~[[12]]~~ 11, wherein the LCM average distance is a minimum of possible values.

Claim 14 (**Currently Amended**): The system of claim 11, wherein each of the first and second integer multiples is a respective odd integer ~~the LCM distance is a respective odd integer multiple of a respective track pitch for each of the disc formats.~~

Claim 15 (**Previously Presented**): The system of claim 11, further comprising:
another side beam formed onto the disc on another side of the main beam with substantially the same displacement from the main beam.

Claim 16 (**Previously Presented**): The system of claim 15, further comprising:
a tracking servo that uses the main and side beams reflected from the disc for generating a tracking error signal.

Claim 17 (**Previously Presented**): The system of claim 15, further comprising:
a tracking servo that uses the main and side beams reflected from the disc for generating

a DPP (differential push pull) error signal.

Claim 18 (**Previously Presented**): The system of claim 15, further comprising:
a tracking servo that uses only the main beam reflected from the disc for generating an error signal when any of the side beams is outside of tracks of the disc.

Claim 19 (**Previously Presented**): The system of claim 11, wherein the main and side beams are each directed onto a separate one of a land or a groove on the disc.

Claim 20 (**Previously Presented**): The system of claim 11, further comprising:
a laser diode for generating light and a grating for splitting the light into the main and side beams,
wherein a pitch of the grating and a distance of the laser diode to the grating are adapted to affect the displacement.

Claim 21 (**Currently Amended**): A system for forming light beams onto a disc for a plurality of disc formats, comprising:
means for directing a main beam and a side beam onto a disc; and
means for displacing the side beam from the main beam with ~~[[a]]~~ an average LCM (least common multiple) distance of respective track pitches for the disc formats that is an average of a first LCM (least common multiple) and a second LCM (least common multiple);
and wherein the first LCM (least common multiple) is a first integer multiple of a first track pitch for a first one of the disc formats;
and wherein the second LCM (least common multiple) is a second integer multiple of a second track pitch for a second one of the disc formats;
and wherein the first LCM is within a first tolerance range from the average LCM for the first disc format, and wherein the second LCM is within a second tolerance range from the average LCM for the second disc format.

Claim 22 (**Canceled**).

Claim 23 (**Currently Amended**): The system of claim ~~[[22]]~~ 21, wherein the LCM ~~average distance~~ is a minimum of possible values.

Claim 24 (**Currently Amended**): The system of claim 21, wherein each of the first and second integer multiples is a respective odd integer ~~the LCM distance is a respective odd integer multiple of a respective track pitch for each of the disc formats.~~